

### **Listing of Claims**

Please replace all prior versions of claims with the following listing of claims:

1. **(Currently Amended)** A system for determining relationships between resources in a knowledge discovery system, the system comprising:

a data repository that stores a plurality of documents;

a discovery server that creates and maintains a knowledge map representing relationships between the documents stored in the data repository and a plurality of categories ~~system resources~~;

a metrics calculator that calculates ~~for calculating~~ values representative of the relationships between the documents and the categories ~~system resources~~; and

a data source in communication with the discovery server that receives and stores the values from the metrics calculator.

2. **(Currently Amended)** A computer implemented method for calculating metrics that correspond to relationships between resources in a knowledge discovery system, the method comprising:

determining a raw metric value for a resource that corresponds to an action on or by the resource;

ranking the raw metric value according to a predetermined scheme;

determining a constant value based, at least in part, upon the ranking of the raw metric; and

calculating a metric value proportional to a product of the raw metric value and the constant value.

3. **(Currently Amended)** A processor readable medium, having processor readable code embodied thereon, that enables a processor to calculate metrics that correspond

to relationships between resources in a knowledge discovery system, the processor readable medium comprising:

processor readable code for determining a raw metric value for a resource that corresponds to an action on or by the resource;

processor readable code for ranking the raw metric value according to a predetermined scheme;

processor readable code for determining a constant value based, at least in part, upon the ranking of the raw metric; and

processor readable code for calculating a metric value proportional to a product of the raw metric value and the constant value.

4. **(Currently Amended)** A metrics system for calculating affinities between a user of among resources in a knowledge discovery system and categories in the knowledge discovery system, wherein the knowledge discovery system includes at least one data repository that stores a plurality of documents, the metrics system comprising:

a metrics calculator that calculates metric values that represent the relationships between the documents stored in the knowledge discovery system and the categories in the knowledge discovery system;

an metries affinity calculator that calculates affinity values that represent the relationships between the user and at least some of the categories in the knowledge discovery system for resources; the affinity values being calculated based on the metric values and at least one interaction of the user with the documents;

a metrics data store that stores the calculated affinity values;

a metrics affinity module that sends ~~worker that communicates with a user mail data store and coordinates generating~~ at least one message to a user mailbox associated with the user according to a predetermined setting, the at least one message regarding the calculated affinity values ~~according to a predetermined setting.~~

5. **(Currently Amended)** A method for calculating affinities between a user of among resources in a knowledge discovery system and categories in the knowledge

discovery system, wherein the knowledge discovery system includes at least one data repository that stores a plurality of documents, the method comprising:

calculating metric values that represent the relationships between the documents stored in the knowledge discovery system and the categories in the knowledge discovery system;

calculating affinity values for resources using an metrics affinity calculator, the affinity values representing the relationships between the user and at least some of the categories in the knowledge discovery system, the affinity values being calculated based on the metric values and at least one interaction of the user with the documents;

storing the calculated affinity values in a metrics data store;

sending at least one generating a message to a user mailbox associated with the user according to a predetermined setting, the at least one message regarding the calculated affinity values according to a predetermined setting with a metrics affinity worker that communicates with a user mail data store.

6. **(New)** The system of claim 1, further comprising an affinity calculator that calculates affinity values that represent the relationships between the user and at least one of the categories in the knowledge discovery system, the affinity values being calculated based on the metric values and the interactions of the user with the documents.

7. **(New)** The system of claim 1, wherein the values calculated by the metrics calculated reflect the value of content included in the documents with respect to the categories.

8. **(New)** The method of claim 2, further comprising calculating a total metric value for the resource by adding the metric value with at least one other metric value calculated for the resource.

9. **(New)** The method of claim 2, further comprising determining the predetermined scheme for ranking raw metric values.
10. **(New)** The method of claim 9, wherein the step of determining the predetermined scheme comprises enabling a user to set the predetermined scheme.
11. **(New)** The method of claim 9, wherein the step of determining the predetermined scheme comprises automatically determining the predetermined scheme.
12. **(New)** The method of claim 2, wherein the action comprises (i) following a link provided within the resource to another resource, (ii) following a link provided in another resource to the resource, (iii) responding to the resource, (iv) opening the resource, (v) editing the resource, or a combination of (i) to (v).
13. **(New)** The processor readable medium of claim 3, further comprising processor readable code for calculating a total metric value for the resource by adding the metric value with at least one other metric value calculated for the resource.
14. **(New)** The processor readable medium of claim 3, further comprising processor readable code for determining the predetermined scheme for ranking raw metric values.
15. **(New)** The processor readable medium of claim 14, wherein the step of determining the predetermined scheme comprises enabling a user to set the predetermined scheme.
16. **(New)** The processor readable medium of claim 14, wherein the step of determining the predetermined scheme comprises automatically determining the predetermined scheme.

17. **(New)** The processor readable medium of claim 3, wherein the action comprises (i) following a link provided within the resource to another resource, (ii) following a link provided in another resource to the resource, (iii) responding to the resource, (iv) opening the resource, (v) editing the resource, or any combination of (i) to (v).

18. **(New)** The metrics system of claim 4, wherein the at least one interaction of the user with the documents comprises (i) an authoring of a document, (ii) a viewing of a document, (iii) an editing of a document, (iv) a response to a document, (v) a creation of a link to a document, or any combination of (i) to (v).

19. **(New)** The metrics system of claim 4, wherein the at least one message sent to the user mailbox enables the user to make the affinity values public or keep the affinity values private.

20. **(New)** The metrics system of claim 4, wherein the predetermined setting comprises a threshold, and wherein sending at least one message to the user mailbox according to the predetermined setting comprises sending a message to the user mailbox to report at least one calculated affinity value that exceeds the threshold.

21. **(New)** The metrics system of claim 20, wherein a system administrator is enabled to set the threshold.

22. **(New)** The method of claim 5, wherein the at least one interaction of the user with the documents comprises (i) an authoring of a document, (ii) a viewing of a document, (iii) an editing of a document, (iv) a response to a document, (v) a creation of a link to a document, or any combination of (i) to (v).

23. **(New)** The method of claim 5, wherein the at least one message sent to the user mailbox enables the user to make the affinity values public or keep the affinity values private.

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24. **(New)** The method of claim 5, wherein the predetermined setting comprises a threshold, and wherein sending at least one message to the user mailbox according to the predetermined setting comprises sending a message to the user mailbox to report at least one calculated affinity value that exceeds the threshold.

25. **(New)** The method of claim 24, wherein a system administrator is enabled to set the threshold.